

***Hp-EuReg investigators***

Sotirios Georgopoulos, Athens Medical Centre, Paleo Faliron Hospital, Athens, GREECE Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Theodore Rokkas, Department of Gastroenterology, Henry Dunant Hospital, Athens, GREECE Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Pilar Mata-Romero, Department of Gastroenterology, Hospital Universitario de Cáceres, Cáceres, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Jesús Barrio, Department of Gastroenterology, Hospital Universitario Río Hortega, Gerencia Regional de Salud de Castilla y León (SACYL), Valladolid, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Manuel Jiménez-Moreno, Department of Gastroenterology, Hospital Universitario de Burgos, Burgos, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Inmaculada Ortiz-Polo, Department of Gastroenterology, Hospital Universitario y Politécnico la Fe, Valencia, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Natalya N. Dekhnich, Smolensk State Medical University, Smolensk, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Ludmila G. Vologzhanina, Vagner Perm State Medical University, Perm, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Judith Gomez-Camarero, Department of Gastroenterology, Hospital Universitario de Burgos, Burgos, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Georges Kamtoh, Hepatic Medical, Private Medical Center, Krakow, POLAND Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Wojciech Marlicz, Department of Gastroenterology, Pomeranian Medical University in Szczecin, The Centre for Digestive Diseases, Endoklinika, 70-535 Szczecin, POLAND Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Emin Mammadov, Department of Internal Medicine and Gastroenterology, Azerbaijan State Advanced Training Institute for Doctors named by A. Aliyev, Baku, AZERBAIJAN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Dmitry N. Andreev, Russian University of Medicine, Moscow, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Sayar R. Abdulkhakov, Kazan Federal University, Kazan State Medical University, Kazan, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Natasa Brglez Jurecic, Interni Oddelek, Diagnostic Centre, Bled, SLOVENIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Óscar Núñez, Department of Gastroenterology, Hospital Universitario La Moraleja, Faculty of Medicine, Universidad Francisco de Vitoria, Faculty of Medicine, Universidad CEU San Pablo, Madrid, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Daniel Martin-Holgado, Department of Gastroenterology, Hospital Universitario de Cáceres, Cáceres, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Doron Boltin, Department of Gastroenterology, Rabin Medical Center, Tel Aviv University, TelAviv, ISREAL Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Benito Velayos, Department of Gastroenterology, Hospital Clínico Universitario de Valladolid, Valladolid, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Boris D. Starostin, City Polyclinic №38, Saint Petersburg, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Sabina Hrubá, Department of Gastroenterology and Hepatology, 1st Internal Clinic, University Hospital in Pilsen, Pilsen, CZECH REPUBLIC Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Lumir Kunovsky, 2nd Department of Internal Medicine - Gastroenterology and Geriatrics, University Hospital Olomouc, Faculty of Medicine and Dentistry, Palacky University Olomouc, Department of Surgery, University Hospital Brno, Faculty of Medicine, Masaryk University, Department of Gastroenterology and Digestive Endoscopy, Masaryk Memorial Cancer Institute, Brno, CZECH REPUBLIC Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Pedro Almela, Department of Gastroenterology, Hospital General Universitario de Castellón, Ciencias de la Salud (Medicina), Universidad CEU Cardenal Herrera, Castellón, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Giulia Fiorini, Cardiovascular Medicine Unit, Heart, Chest and Vascular Department, IRCCS Azienda Ospedaliero-Universitaria di Bologna, Hypertension and Cardiovascular Risk Research Center, Medical and Surgical Sciences Department, Alma Mater Studiorum University of Bologna, Bologna, ITALY Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Henrique Fernandes-Mendes, Department of Gastroenterology, Centro Hospitalar Universitário de Santo António, ULS de Santo António, Porto, PORTUGAL Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Noelia Alcaide, Department of Gastroenterology, Hospital Clínico Universitario de Valladolid, Valladolid, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Luis Fernández-Salazar, Department of Gastroenterology, Hospital Clínico Universitario de Valladolid (SACYL), Medicine Department, School of Medicine, Universidad de Valladolid, Valladolid, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Marina F. Osipenko, Novosibirsk State Medical University, Novosibirsk, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Antonio Moreno Loro, Department of Gastroenterology, Hospital Universitario Virgen del Rocío, Sevilla, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Natalia V. Baryshnikova, Pavlov First Saint Petersburg State Medical University, Saint Petersburg, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Pablo M. Wolfe García, Department of Gastroenterology and Hepatology, Hospital Sierrallana, Torrelavega, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Deirdre McNamara, School of Medicine, Trinity College Dublin, Dublin, IRELAND Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Eduardo Iyo, Department of Gastroenterology, Hospital Universitari Son Espases, Palma (Mallorca), SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Antonia Perelló, Department of Gastroenterology, Hospital Universitari Son Espases, Palma (Mallorca), SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Debora Compare, Department of Gastroenterology, University Federico II of Naples, Naples, ITALY Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Igor G. Bakulin, Mechnikov North-Western State Medical University, Saint Petersburg, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Antonietta G. Gravina, Department of Hepatogastroenterology, University of study of Campania "L. Vanvitelli", Naples, ITALY Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Rosa Rosania, Department of Gastroenterology, Hepatology and Infectious Diseases, Otto von Guericke University Hospital, Magdeburg, GERMANY Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Marino Venerito, Department of Gastroenterology, Hepatology and Infectious Diseases, University Hospital of Magdeburg, Magdeburg, GERMANY Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Galina N. Tarasova, Rostov State Medical University, Rostov-on-Don, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Antonio Mestrovic, Department of Gastroenterology, University Hospital of Split, Split, CROATIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Teresa Angueira, Department of Gastroenterology, Hospital Universitario de Toledo, Toledo, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Natalia V. Bakulina, Mechnikov North-Western State Medical University, Saint Petersburg, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Amir Mari, Department of Gastroenterology, Nazareth Hospital EMMS, Nazareth, ISRAEL Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Jitka Vaculová, Department of Gastroenterology and Internal Medicine, University Hospital Brno, Faculty of Medicine, Masaryk University, Brno,

CZECH REPUBLIC Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Vladimir Milivojevic, Department of Gastroenterology and Hepatology, University Clinical Centre of Serbia, Belgrade University, Belgrade, SERBIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Benito Hermida Pérez, Department of Gastroenterology, Hospital Valle del Nalón, Langreo, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Piotr Eder, Department of Gastroenterology, Dietetics and Internal Medicine, Poznań University of Medical Sciences, Department of Gastroenterology, H. Święcicki University Hospital, Poznan, POLAND Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Jan Král, Department of Hepatogastroenterology, Institute for Clinical and Experimental Medicine, Department of Internal Medicine, Second Faculty of Medicine, Charles University, Prague, CZECH REPUBLIC Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Marinko Marušić, Department of Gastroenterology, University Hospital Sveti Duh, School of Medicine, University J. J. Strossmayer Osijek, Faculty of Health Studies, University of Rijeka, Zagreb, CROATIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Leticia Gimeno Pitarch, Department of Gastroenterology, Hospital General Universitario de Castellón, Castellón, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Melanija Razov Radas, Department of Gastroenterology and Hepatology, General Hospital Zadar, Health Studies, University of Zadar, Zadar, CROATIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

María Badía Martínez, Department of Gastroenterology, Hopital General de la Defensa, Department of Gastroenterology, Hospital Universitario Miguel Servet,

Zaragoza, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Conor Costigan, Department of Gastroenterology, Tallaght University Hospital, School of Medicine, Trinity College Dublin, Dublin, IRELAND Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Carlos Maroto-Martín, Department of Gastroenterology, Hospital Universitario Río Hortega, Valladolid, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Katarina Jankovic, Clinic of Gastroenterohepatology, University Clinical Centre of Serbia, Belgrade, SERBIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Inna V. Savilova, Mechnikov North-Western State Medical University, Saint Petersburg, RUSSIA Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Jan Krivinka, 2nd Department of Internal Medicine - Gastroenterology and Geriatrics, University Hospital Olomouc, Faculty of Medicine and Dentistry, Palacky University Olomouc, Olomouc, CZECH REPUBLIC Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Montserrat Planella, Department of Gastroenterology, Hospital Universitari Arnau de Vilanova, Institut de Recerca Biomèdica de Lleida (IRBLL), Lleida, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Consuelo Ramirez, Department of Gastroenterology, Hospital Universitari Arnau de Vilanova, Institut de Recerca Biomèdica de Lleida (IRBLL), Lleida, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Mikel Ganuza, Department of Gastroenterology, Hospital General de Granollers, Barcelona, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Sergio Gil Rojas, Department of Gastroenterology, Hospital Virgen de la Luz, Cuenca, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Miguel Suárez Matías, Department of Gastroenterology, Hospital Virgen de la Luz, Cuenca, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Jose Xavier Segarra Ortega, Department of Gastroenterology, Hospital Universitario de Salamanca, Grupo de Investigación Salmantino en Aparato Digestivo (GISAD), Instituto de Investigación Biomédica de Salamanca (IBSAL), Salamanca, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.

Jesus M. Gonzalez-Santiago, Department of Gastroenterology, Complejo Asistencial Universitario de Salamanca, Instituto de Investigación Biomédica de Salamanca (IBSAL), Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBERehd), Salamanca, SPAIN Acquired data, critically reviewed the manuscript draft, and approved the submitted manuscript.